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NEW BOOKS.

Plane Geometry. By EDITH LONG and W. C. BRENKE. New York: The Century Co. Pp. vii + 276. \$1.00.

This is the second book of the series "Correlated Mathematics for Secondary Schools," of which the first "Algebra—First Course" was reviewed in the issue of December, 1913.

The second book is concerned almost entirely with geometry, the algebra being confined largely to numerical and literal originals, and ratio and proportion. Trigonometry, however, receives considerable attention, and is carried into a few theorems on lines that usually are taken up in analytical geometry.

The best feature of the book, and it is a very important one, is its analyses of theorems. In its handling of the logical side of the subject it is far superior to the usual text.

Calculus. By H. W. MARCH and HENRY C. WOLFF. New York: McGraw-Hill Book Co. Pp. 360. \$2.00.

The authors of this Calculus have aimed to present the subject as a means of studying scientific problems rather than a collection of proofs and formulæ. The separation into differential and integral calculus is not maintained but the two are interwoven and carried together. Taylor's theorem and dependent topics are left until near the end of the volume. There is a chapter on solid analytical geometry and one on differential equations.

The Algebraic Theory of Modular Systems. By F. S. MACAULAY. Cambridge: The University Press. Pp. 112. \$1.10.

This is No. 19 of *Cambridge Facts in Mathematics and Mathematical Physics*. The chapter headings indicate the nature and scope of the work: The Resultant; The Resolvent; General Properties of Modules; The Inverse System.

Automobile Repairing Made Easy. By VICTOR W. PAGE. New York: Norman W. Henley Publishing Co. Pp. 1056. \$3.00 net.

Outlines every process incidental to motor car restoration. Gives plans for workshop construction, suggestions for equipment, power needed, machinery and tools necessary to carry on business successfully. Tells how to overhaul and repair all parts of all automobiles. The information given is founded on practical experience, everything is explained so simply that motorists and students can acquire a full working knowledge of automobile repairing. Other works dealing with repairing cover only certain parts of the car—this work starts with the engine, then considers carburetion, ignition, cooling and lubrication systems. The clutch, change speed gearing and transmission system are considered